

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents

					ginia 22313-1450	/
			Pel Pang es and not specifying	Fax (571) 273-2885 PUBLICATION FEE (if requification of maintenance fees a recovered of the correspondence address	uired). Blocks 1 through 5 will be mailed to the currents; and/or (b) indicating a sep	should be completed where it correspondence address as parate "FEE ADDRESS" for
7	ns. CE ADDRESS (Note: Use Block 1 for 590 09/30/2005	翼	DEC 092		f mailing can only be used his certificate cannot be used al paper, such as an assignn te of mailing or transmission	for domestic mailings of the for any other accompanying nent or formal drawing, must
Woodard, Emhai Bank One Center/ Suite 3700 111 Monument Ci		t & Henry K	TRADEN	I hereby certify that to States Postal Service addressed to the Matransmitted to the US	ertificate of Mailing or Transhis Fee(s) Transmittal is being with sufficient postage for fill Stop ISSUE FEE addres PTO (571) 273-2885, on the	smission ng deposited with the United rst class mail in an envelope s above, or being facsimile date indicated below.
Indianapolis, IN 46204-5137				Luisa M. Ca	ldwell	(Depositor's name)
12/2005 FMETEKI2 0000	10005 10653035				سلياك	(Signature)
FC:2501	700.00 OP				2/7/05	(Date)
FC: 1504 FC: 8001 LICATION NO.	FILING BOTTO OP	FIRST NAMED INVENTOR			ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/653,035	08/29/2003		Scott A.	Chambers	50005-153	1534
APPLN. TYPE	PINEL-STRUCTURED ME	ETAL OXIDE ON ISSUE F		TE AND METHOD OF MAK	TOTAL FEE(S) DUE	AR BEAM EPITAXY DATE DUE
nonprovisional	YES	\$700		\$300	\$1000	12/30/2005
EXAMINER		ART UNIT		CLASS-SUBCLASS	٦ ٠	
SONG, MATTHEW J		1722	2 117-084000		_	
Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.				nting on the patent front page, I mes of up to 3 registered pate OR, alternatively, me of a single firm (having as attorney or agent) and the nan- dd patent attorneys or agents. If name will be printed.	nt attorneys 1 Klarqu	uist Sparkman, LL

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Battelle Memorial Institute

Richland, Washington

Please check the appropriate assignee category or categories (will not				
4a. The following fee(s) are enclosed:	4b. Payment of Fee(s):			
Issue Fee	A check in the amount of the fee(s) is enclosed.			
☑ Publication Fee (No small entity discount permitted)	☐ Payment by credit card. Form PTO-2038 is attached.			
Advance Order - # of Copies10	The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 02-4550 (enclose an extra copy of this form).			
5. Change in Entity Status (from status indicated above)				
a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.	☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).			
The Director of the USPTO is requested to apply the Issue Fee and PuNOTE: The Issue Fee and Publication Fee (if required) will not be accorded as shown by the records of the United States Patent and Trade	ablication Fee (if any) or to re-apply any previously paid issue fee to the application identified above, cepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in mark Office.			
Authorized Signature	Date 12/7/05			
Typed or printed name Lisa M. Caldwell	Registration No. 41,653			

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.